

concept

Box and Whisker PlotsSect. 1.35 number Summary: min,  $Q_1$ , Med,  $Q_3$ , Max

min - smallest number

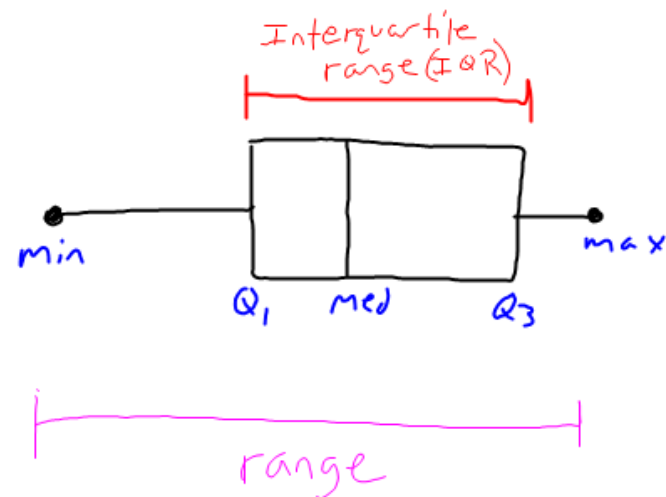
1<sup>st</sup> Quartile ( $Q_1$ ) - median of lower  $\frac{1}{2}$  of data

Median - middle of an ordered set of data

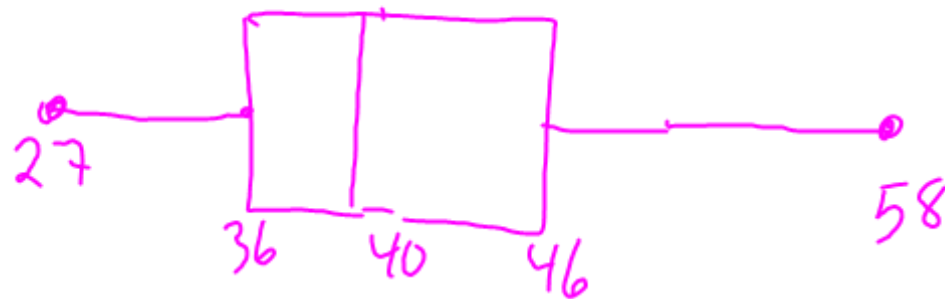
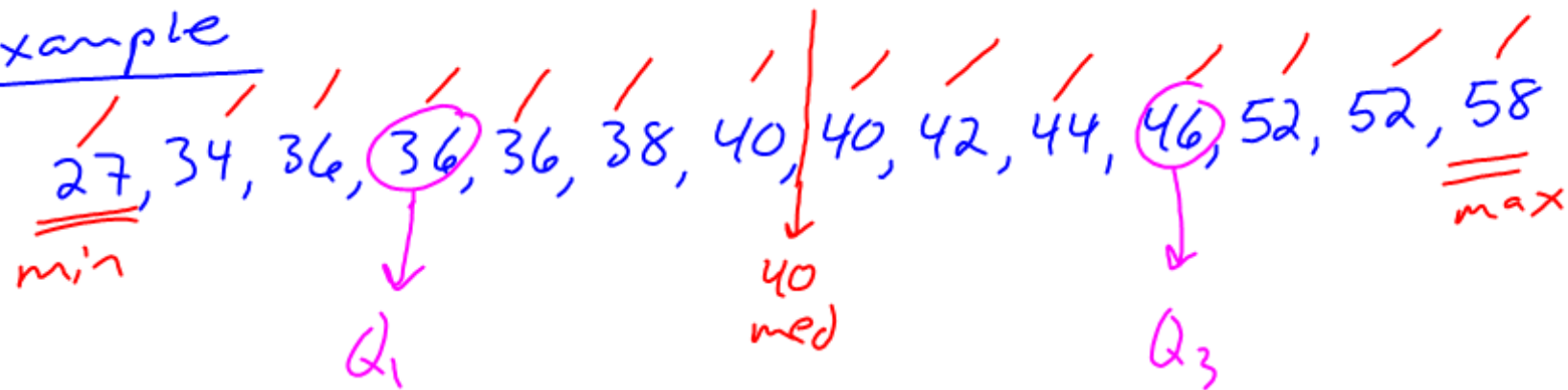
3<sup>rd</sup> Quartile ( $Q_3$ ) - median of top  $\frac{1}{2}$  of data

max - biggest number

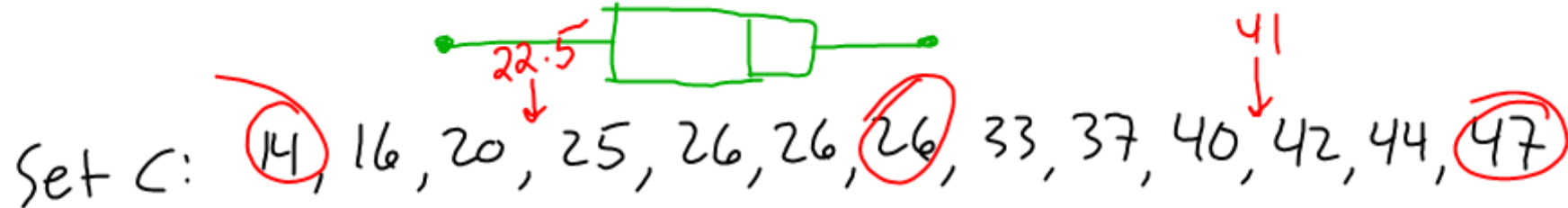
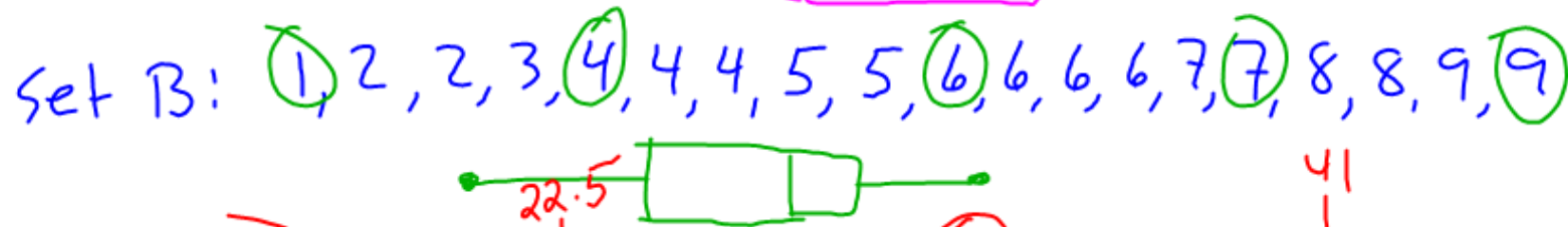
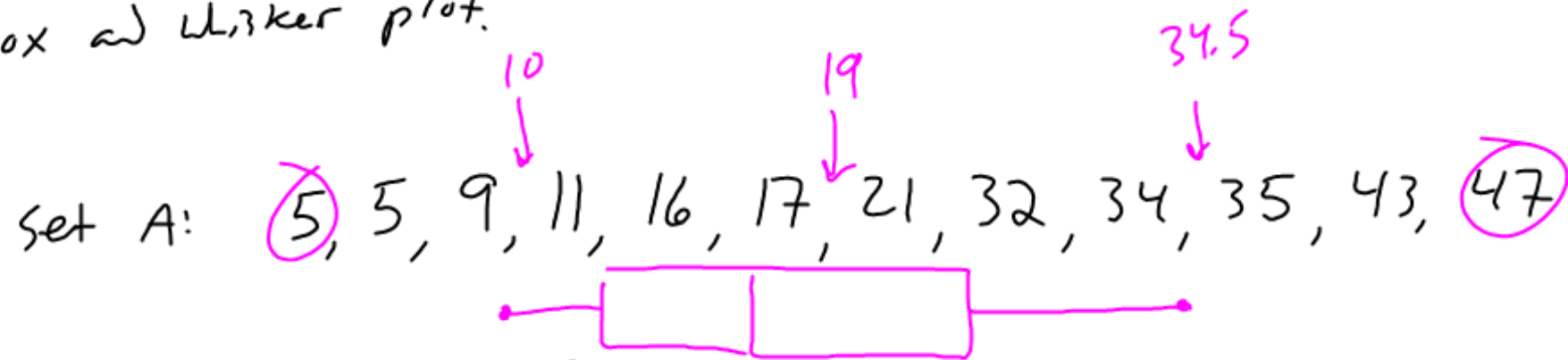
Box and whisker plot



# Example



Find the 5-number Summary of each set and make a Box and Whisker plot.



Sect. 1.3 #4-6

Sect. 1.3  
#6

$$\frac{23 + 27 + 29 + x}{4} = 25.5$$

$$\frac{79 + x}{4} = 25.5$$

$$\begin{array}{r} x \\ + 79 \\ \hline \div 4 \\ \hline = 25.5 \end{array}$$

$$\begin{array}{r} 25.5 \\ \cdot 4 = 102 \\ - 79 = 23 \\ \hline x = 23 \end{array}$$

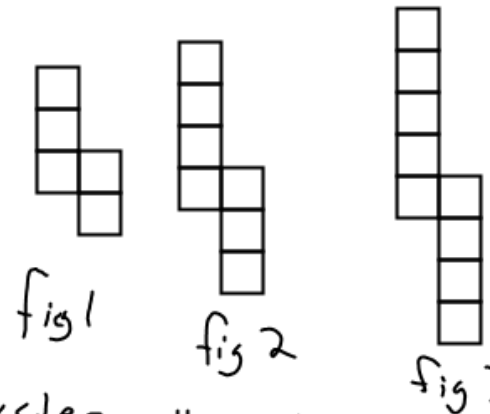
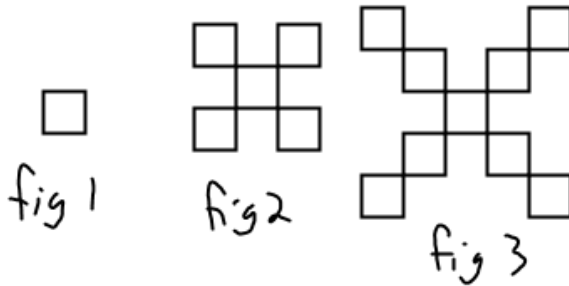
① Solve for x

②  $4\left(\frac{x+7}{4} + 5\right) + 13 = 47$

③  $\frac{18 - 2(x+3)}{6} = -1$

$\begin{array}{r} \times \\ +3 \\ \hline -2 \\ +18 \\ \hline \div 6 \end{array}$

④ Write a recursive equation for the number of boxes in the patterns below and find the number of blocks in the 10<sup>th</sup> fig.



⑤ Write each equation as a mystery # statement and solve

①  $5x - 7 = 18$

②  $\frac{x}{4} + 3 = 12$

HW Tonight

sect. 4.3 #14

Before you leave

- ① Turn class work today
- ② Turn HW from last night
- ③ Clean trash, put chair up